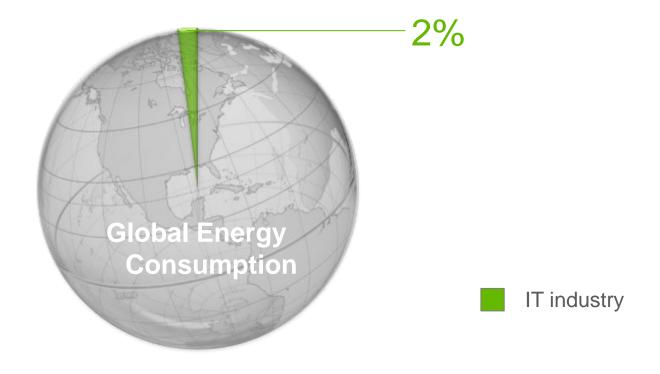


The IT Industry is responsible for 2% of the global energy consumption



.. but the IT Industry can help to cut the 98% dramatically

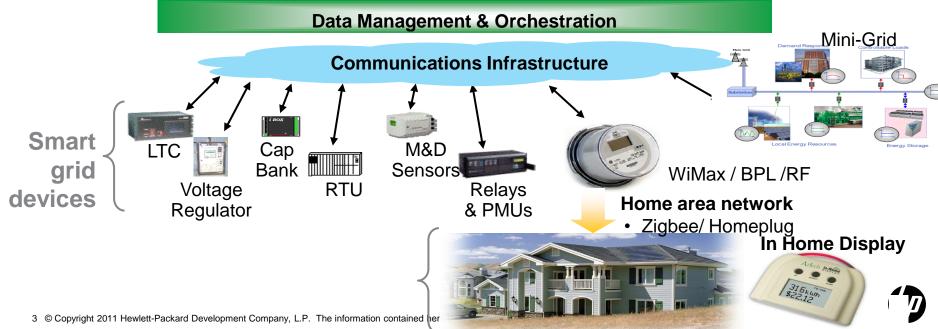


### Example on IT Contribution: ,Smart Grid'



**Operations** EMS/WAM, OMS/DMS/DA Business
Applications
GIS/Apps, CIS,
ERP, Asset Mgmt.





### The Space Industry is a big contributor to sustainebility

1) Major ,green' Technologies have been developed / optimize by / for the space industry





# The Space Industry is a big contributor to sustainebility

- Major ,green' Technologies have been developed / optimize by / for the space industry
   e.g. Solar Panels, Fuel Cells, light materials
- 2) Monitoring environmental developments without satelites?

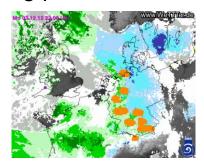






# The Space Industry is a big contributor to sustainebility

- Major ,green' Technologies have been developed / optimize by / for the space industry
   e.g. Solar Panels, Fuel Cells, light materials
- 2) Monitoring environmental developments without satelites?
- 3) Improving processes on earth









#### Whats in the labs of HP?

### Replacing copper with glass fiber

On boards and processors

2013: Servers

Annual savings: 13 TeraWatt-hours of electricity

2017: Servers + Chips

Annual savings: 110 TWh of electricity

(Electricity Consumption of Mexico in 2007)

Peduce the need to mine, smelt copper



# The space industry and IT ..... a partnership since decades



Lets continue to keep this planet a spacecraft for generations to come



### Thank you for your attention!

